

SPECIFICATIONS

<b>Scanning Method</b>	Linear / Convex electronic scan	<b>Measurement</b>	Distance
<b>Display Mode</b>	B mode (single) B/B mode (double) B/M mode (4 step sweep speed selection on M mode)	<b>Function</b>	Circumference, Area Volume Angle Gestational weeks calculation Histogram LV calculation
<b>LCD</b>	8.4"	<b>Interface</b>	Video output One channel RS-232C
<b>Range</b>	3.5MHz 24cm, 18cm, 15cm, 12cm, 9cm, 6cm 5.0MHz / 7.5MHz / 10.0MHz 16cm, 12cm, 10cm, 8cm, 6cm, 4cm	<b>Dimensions</b>	Approx. 296(W) × 182(D) × 348(H) (mm)
<b>Focusing Method</b>	Transmitter 4-stage dynamic focus Receiver Real-time dynamic focus	<b>Weight</b>	Approx. 6kg
<b>Image Adjustment</b>	Dynamic range From 35 to 95 with 10dB step selection B-gain, M-gain 36-100dB variable by rotary encoder (1dB step) STC 4 step sliding volume on adjusted depth levels	<b>Power Source</b>	AC: 100V-240V 50/60Hz
<b>Image Processing</b>	Frame correlation On (2-step) / off selection Line correlation On (2-step) / off selection Gray curve selection	<b>Probes</b>	Probes: 96ch HCS-336M: 2.8/3.5/5.0MHz 60R Convex probe HCS-3710MV: 5.0/7.5/9.0MHz 10R Transvaginal probe HCS-352M: 3.5/5.0/7.0MHz 20R Convex probe HCS-3710M: 5.0/7.5/9.0MHz 10R Convex probe HLS-338M: 2.8/3.5/5.0MHz 80mm Linear probe HLS-375M: 5.0/7.5/10.0MHz 50mm Linear probe HLS-313: 10.0MHz 30mm Linear probe HLS-375MR: 5.0/7.5/10.0MHz 50mm Transrectal probe
<b>Image Display</b>	Image direction: Reverse (Left/Right), Up/Down Shift: 1cm step (max. depth 18cm) Cine Memory: 41 frames (typical) Scan angle: 1/1, 3/4, 1/2	<b>Options</b>	Trolley Video printer Foot switch Biopsy guide HBG-436M : Biopsy attachment for HCS-336M HBG-5610V : Biopsy attachment for HCS-3710MV Stand off HWA-03 : Stand off (cassette) for HLS-375M HWA-04 : Stand off (cassette) for HLS-313 HWB-02 : Water bag for HLS-375M and HLS-313 Battery: 12VDC (1 hr. operation, 1 hr. re-charge)
<b>Image Store</b>	Flash memory (60 Images)		
<b>Image Functions</b>	Hospital name (40 char.) Patient name & ID No. (26 char. / 1000 patients) Age Date & Time Probe type Image direction Range		

\*The specifications and appearance are subject to change without notice for improvement.  
\*Made in Japan

# Diagnostic Scanner

Convex / Linear Ultrasonic System

# HS-1500

Our unique technology is the product of our originality and continual pursuance of achieving high quality. It is also our purpose to contribute in ways that will enhance society.



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Registered company for ISO 9001/ ISO13485



# Diagnostic Scanner **HS-1500**



*A Special Compact Unit In Its Own Right*

**Advanced technology and excellent image embodied in a chic unit**

*The HS-1500 is a portable, lightweight, diagnostic scanner designed for paramedics, clinics, and emergency centers. Features of this new LCD portable scanner are easy handling, simple operation, and fine image quality by using newly developed 96 channels multifrequency probes. Implementation of the latest software and hardware enables users to fulfill the present and future requirements for diagnosis that utilizes ultrasonic technology.*

**Features are:**

1. Height image : 8.4" wide LCD by advanced technology
2. Portable and light weight
3. Simple operation : Function keys on the control panel  
Removable trackball  
Outputs in the front panel
4. Two power source : AC & Battery
5. Cine-loop function : 41 frames
6. Image storage x 60 images
7. Stored images (JPEG) transfer
8. Multi frequency probes

## 1 Height resolution : 8.4" wide LCD

Height image quality  
Maximum brightness: 450cd/mm  
Viewing angle : ±55° (Right and Left side)  
40° (Up side)  
10° (Down side)



## 2 Portability and Leightweight

Dimensions : 296 mm(W) x 182 mm(D) x 348 mm(H)  
Weight : Approx. 6kg



## 3 Simple Operation

You can enter desired function with the F1~F9 keys.  
The trackball can be removed by hand for cleaning.  
Output connectors are located in the front panel.



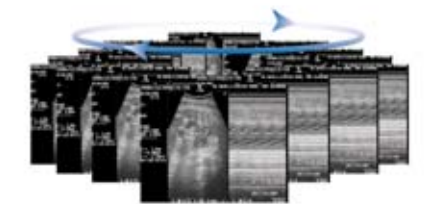
## 4 Two power source AC & Battery

It also operates on a 12V Ni-MH battery which recharges by itself.  
The battery can be easily replaced.



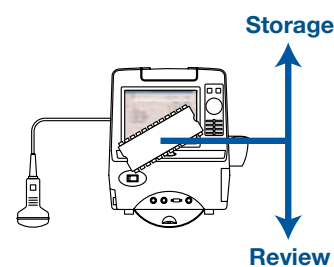
## 5 Cine-loop Function

This function immediately plays back ultra-sound images frame-by-frame. And past images can be replayed, allowing just the right frame to be selected and saved. Occasionally it is difficult to capture a still image at just the exact moment.



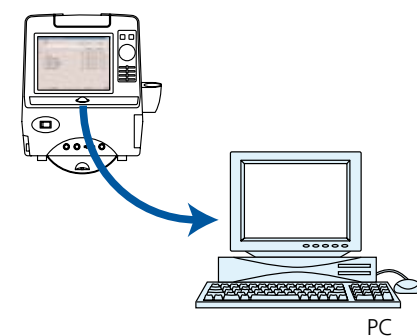
## 6 Image Storage × 60 images

Flash memory image storage.  
Built-in flash memory can keep the US images in the field.  
Diagnose anywhere and make prints at the clinic.



## 7 Stored Images (JPEG) Transfer

Image Utility Program transfers the clinical images stored in the memory to a PC.



## 8 Probes

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|---|--|---|--|---|---|---|
|   |  |   |  |   |   |   |
| <b>HCS-336M</b><br>Multi Frequency<br>Convex probe (60R)<br>2.8-3.5-5.0 MHz | <b>HCS-352M</b><br>Multi Frequency<br>Microconvex probe (20R)<br>3.5-5.0-7.0 MHz | <b>HCS-3710M</b><br>Multi Frequency<br>Microconvex probe (10R)<br>5.0-7.5-9.0 MHz | <b>HCS-3710MV</b><br>Multi Frequency<br>Microconvex probe (10R)<br>5.0-7.5-9.0 MHz<br>Transvaginal | <b>HLS-375M</b><br>Multi Frequency<br>Linear probe (50mm)<br>5.0-7.5-10.0 MHz | <b>HLS-313</b><br>High Frequency<br>Linear probe (30mm)<br>10.0 MHz | <b>HLS-375MR</b><br>Multi Frequency<br>Linear probe (50mm)<br>5.0-7.5-10.0 MHz<br>Transrectal |

## 9 Options

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